

In response to the February 1, 2000 Official Action, kindly amend the above-identified application as follows:

IN THE CLAIMS:

Kindly amend Claims 1-12 as follows:

1. (Seven times amended) A [video] camera comprising:

a physical element, arranged in a photographing optical system having a light transmission factor and a light transmission amount at least one of which is changeable;

photoelectric conversion means for receiving an optical image transmitted through said physical element at a position of an imaging plane, and for converting the optical image into an electrical image signal;

memory means for storing a plurality of correcting information for correcting a change in a spectrum characteristic of said physical element, caused by a change of at least one the light transmission factor and the light transmission amount of said physical element; and

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cont.

correction means for reading out from said
memory means the correcting information corresponding to at
least one of the light transmission fact and the light
transmission amount of said physical element, according to
the electrical image signal output from said photoelectric
conversion means, and for correcting the change in the
spectrum characteristic of the physical element in accordance
with the correcting information read out from said memory
means [corresponding to the light transmission factor or the
light transmission amount of said physical element].

9. (Seven times amended) A [video] camera
comprising:

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cont.

a physical element, arranged in a
photographing optical system having a light transmission
factor and a light transmission amount at least one of which
is changeable non-mechanically;

photoelectric conversion means for receiving
an optical image transmitted through said physical element at
a position of an imaging plane, for converting the optical
image into an electrical image signal, and capable of

adjusting at least one of a light accumulation time and a sensitivity;

memory means for storing a plurality of correcting information for correcting a change in a spectrum characteristic of said physical element, caused by a change of at least one the light transmission factor and the light transmission amount of said physical element;

correcting means for reading out from said memory means the correcting information which corresponds to at least one of the light transmission fact and the light transmission amount of said physical element, according to the electrical image signal output from said photoelectric conversion means, and for correcting the change in the spectrum characteristic of the physical element in accordance with the correcting information read out from said memory means [corresponding to the light transmission factor or the light transmission amount of said physical element]; and

exposure amount adjustment means for controlling an exposure amount by a combination of adjusting at least one of the light transmission factor and the light transmission amount of said physical element the change of whose characteristics is corrected by said correcting means,